

Transport Inequity workshop

How road risk and other impacts fall unequally

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Scope

- 1. Definitions
- 2. Language
- 3. Statutory duties (how much are they relevant?)
- 4. An example to get us thinking
- 5. Workshop (Tabulating factors and impacts)
- 6. Collate findings, round-up and close



Definitions and intersectionality

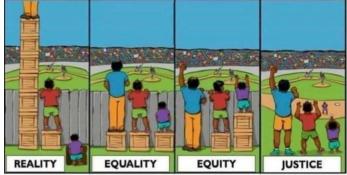
- 1. Inequality versus inequity
 - □ Inequal: differently applied, for example some people receiving more resources than others
 - □ Inequity: unfairness arising from the different application.

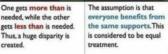
Both apply in transport

almost every aspect of life can have a transport equity impact Consider all individual differences

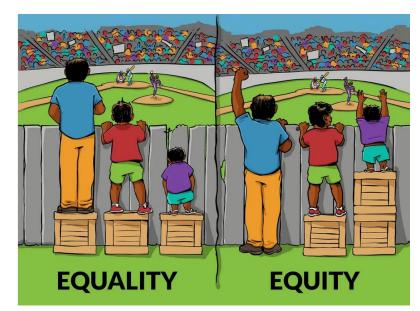
- 2. What is **intersectionality**?
 - □ The **compound effects** of multiple aspects of inequality *and/or* inequity for example gender and social class
 - Emma DeGraffenreid

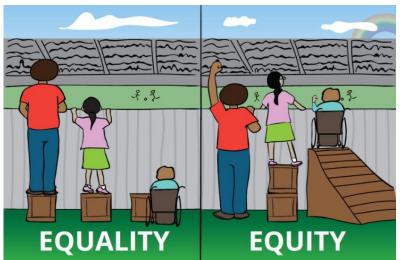
*Source: https://son.rochester.edu/newsroom/2022/intersectionality.html https://www.youtube.com/watch?v=akOe5-UsO2o





Everyone gets the support they need, which produces equity. All 3 can see the game without supports or accommodations because the cause(s) of the inequity was addresse The systemic barrier has been removed





Language

Use people-first language

- **People with disabilities** rather than disabled people
- Avoid grouping: 'those with disabilities' lumps people together
- Avoid generalities unless we can substantiate
- Recognise that common perceptions are not substantiated
- Recognise some things appear to be true only because we have not looked at data fully (eg older drivers)
- □ Share examples of current evidence especially where widespread beliefs are not correct
- Effects can be direct or indirect
- Perceived and/or 'real'
- Perceived effects can give rise to real effects
- □ If we individually don't have experience of being 'other' we underestimate it and its effects on people



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cycling

davewarker.com

Statutory duties (part but only part of the answer)

Public Authorities also have duties under the Equality Act 2010 Section 149 with regards to the elimination of discrimination based on the protected characteristics including age and disability:

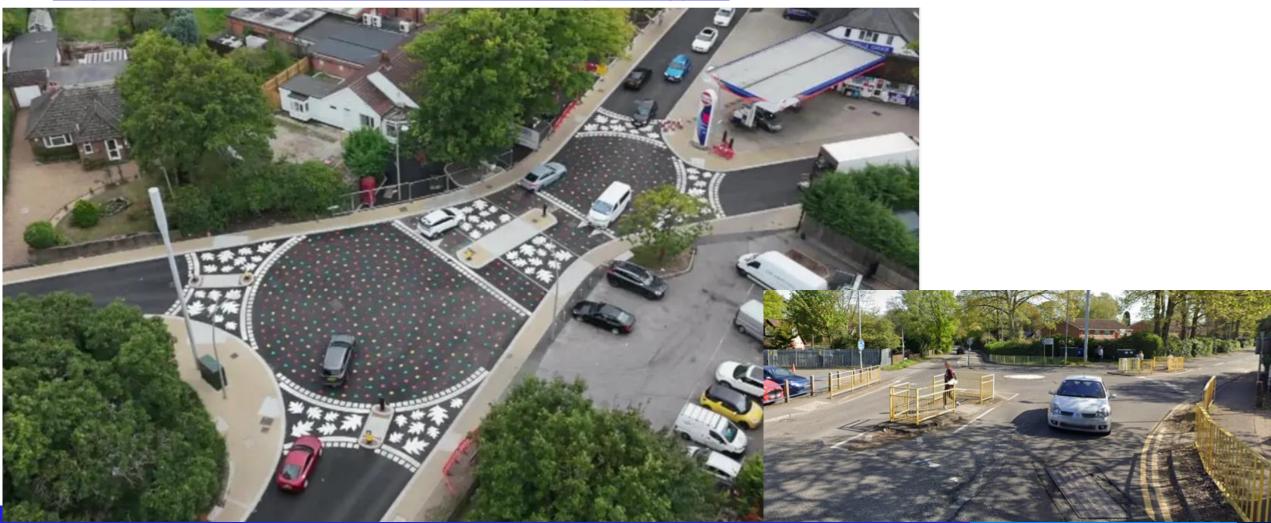
- (1) A public authority must, in the exercise of its functions, have due regard to the need to-
 - (a) Eliminate discrimination, harassment, victimisation and any other conduct that is prohibited by or under this Act;
 - (b) Advance equality of opportunity between persons who share a protected characteristic and persons who do not share it;
 - (c) Foster good relations between persons who share a relevant protected characteristic and person who do not share it

(3) Having due regard to the need to advance equality of opportunity between persons who share a relevant protected characteristics and persons who do not share it involves having due regard, in particular, to the need to-

- (a) Remove or minimise disadvantages suffered by persons who share a relevant protected characteristics that are connected to that characteristic;
- (b) Take steps to meet the needs of people who share a relevant protected characteristics that are different from the needs of persons who do not share it;
- (c) Encourage persons who share a relevant protected characteristics to participate in public life or in any other activity in which participation by such persons is disproportionately low.

One example: Fun or dangerous or both?

 "Colourful roundabout redesign divides village" California Cross in Finchampstead, Berkshire Wokingham Borough Council <u>https://www.bbc.co.uk/news/articles/c4gpv96lyp4o</u>



Workshop

- 1. List areas of impact
- 2. How they affect the relevant people
- 3. What specific transport relevance





Park

1. aspect	1. Area of impact	1. How it affects	1. Transport relevance
Eg disability	Mobility requirements eg wheelchair user	Steps, gradients, restrictions on access	Kerbs; footway gradients; prohibition of cycling in urban areas

Summary

- 1. People with disabilities:
 - mobility
 - Visual
 - Neurological conditions
- 2. Personality/attitude/driving style
- 3. Age: younger and older



- 5. Wider sociodemographic factors eg deprivation, geography
- 6. Intersectionality



Something You Need to Know While traveling this weekend, I noticed many passengers had their feet on the distributed of their car. Alibbags deploy between 106 & 220 MPH. If you ride with your feet on the dash and youre involved in an accident, the altbag may send your knees through your eyes ockets. This post was viewed thousands of times last year, built's worth repeating. And yes, the driver and passenger should also be wearing seat betts too! "From Twitter post from Share O'Concor @pocnnorshane. "Originally posted by Colin Bennett in the United Kingdom.

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Airbags inflate at between 160 and 350km/h.

The Fire Department says this passenger 'got off easy': "If you ride with your feet on the dash and you're involved in an accident, the airbag may send your knees through your eye sockets," Don't put your feet on the dashboard in a moving car



Prepared by: Kate Carpenter, Director of Operational Road Safety <u>kate.carpenter@jacobs.com</u>

some things we can do

- Keep researching; reading; educating ourselves
- Understand how published science works
- Help designers understand standards/guidance esp Inclusive Mobility; what documents don't cover well narrow footways tactile, crossfall/longfall
- Talk about skill deficit/error versus attitude deficit/error (Steve Stradling @ SoRSA) and driving style not skill
- Have representatives on key steering groups to ensure users not forgotten; consulted on schemes
- Employers/managers support colleagues in life events and conditions affecting their transport and safety eg
 - becoming parents (sleep disturbance);
 - Medical treatment (prescription drugs affect transport safety)
 - observing Ramadan eg blood sugar, dehydration on long work days/travel esp in summer months
- Advocate for more gathering and dissemination of knowledge and evidence based policy eg GDL





SCIENCE

Exposing Fraud, Bias, Negligence and Hype in Science

Some references (not exhaustive)

- Invisible Women https://carolinecriadoperez.com/book/invisible-women/ and https://www.youtube.com/watch?v=7LQfu05i-80
- Car access/travel behaviour https://www.sciencedirect.com/science/article/pii/S2590198221000749
- OCEAN Personality/collision involvement https://psycnet.apa.org/record/2006-03538-004
- Systematising v empathising https://www.sciencedirect.com/science/article/abs/pii/S1369847815001072#:~:text=The%20E%E2%80%93S%20model's%20Empathizing%20and %20Systemizing%20as,the%20Empathy%20Quotient%20and%20the%20Systemizing%20Quotient
- evaluation of road safety in Ramadan <u>https://journalofroadsafety.org/article/125180-ramadan-and-road-traffic-crashes-nexus-a-multi-professional-perspective</u>
- TfL research by LSHTM into ethnicity and road risk
 <u>https://content.tfl.gov.uk/road-safety-of-londons-black-asian-minority-ethnic-groups.pdf</u>
- social research inc deprivation/poverty, social isolation: <u>https://www.jrf.org.uk/neighbourhoods-and-communities</u>
- GDL/young drivers https://www.trl.co.uk/publications/ins005
- Post crash response 'The dogma ate my homework'
 <u>https://www.pacts.org.uk/pacts-32nd-westminster-lecture/</u>



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Plate 1: City driving on a clear night – light signals, signs, other road markings and road users readily apparent.

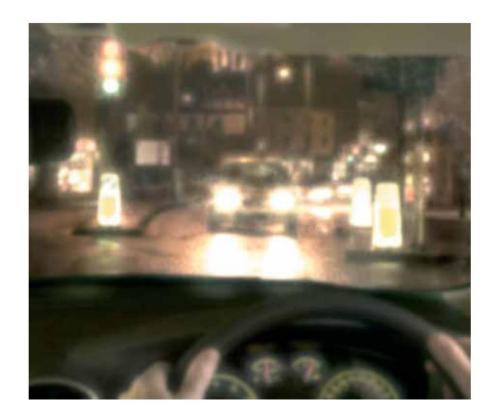


Plate 4: City driving on wet night in a person with reduced visual acuity and increased light scatter in eye. Common in older drivers with early cataracts – marked loss of clarity, road layout not visible, signs not apparent.

Plate 5: Street scene – normal vision



Plate 7: Macular degeneration – loss of central vision



Plate 6: Cataract – loss of acuity and change to colour rendering



Plate 8: Diabetic retinopathy – patchy loss of vision across field